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(54) Title: PEPTIDE LIGANDS OF DENDRITIC CELLS FOR NUCLEIC ACID VECTOR TARGETING

(57) Abstract: A peptide consisting of or comprising an amino acid sequence selected from a) Px¹X²X³ T [SEQ.ID.NO.:1]; b) PSX⁴S [SEQ.ID.NO. :2]; c) QX⁵X⁶X⁷Q [SEQ.ID.NO.:3]; d) SX⁸S [SEQ.ID.NO.:4], in which X¹, X² and X³, which may be the same or different, each represents an amino acid residue; X² is preferably N or L; X⁴ represents an amino acid residue, preferably N or L; X⁵ and X⁷, which may be the same or different, each represents an amino acid residue, X⁶ represents an amino acid residue having an amide side chain; and X⁸ represent an amino acid having an aliphatic side chain, which peptide binds to dendritic cells and also to other types of cells. The peptide may be used a target non-viral and viral vectors to such cells.

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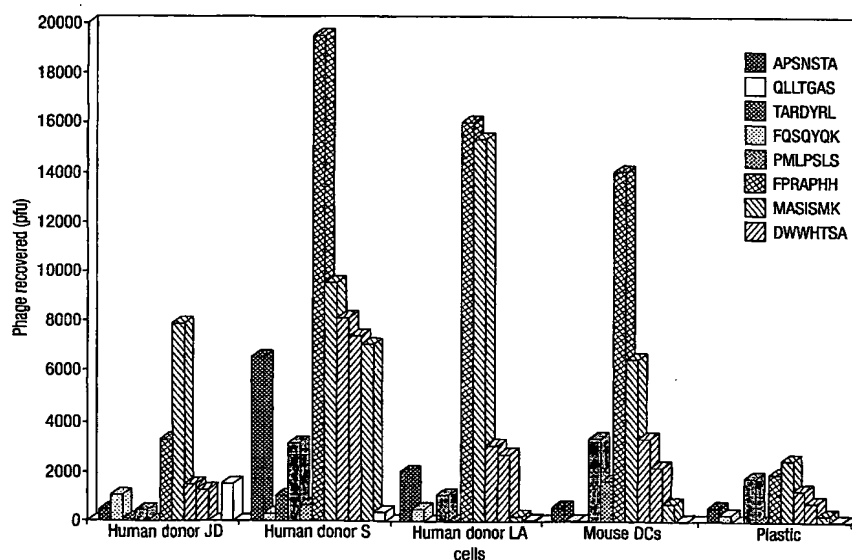
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[Continued on next page]

(54) Title: PEPTIDE LIGANDS



(57) Abstract: A peptide consisting of or comprising an amino acid sequence selected from a) Px1X2X3 T [SEQ.ID.NO.:11]; b) PSX4S [SEQ.ID.NO.:2]; c) QX5X6X7Q [SEQ.ID.NO.:3]; d) SX8S [SEQ.ID.NO.:4], in which X1, X2 and X3, which may be the same or different, each represents an amino acid residue; X4 represents an amino acid residue; and x 5 and X7, which may be the same or different, each represents an amino acid residue, X6 represents an amino acid residue having an amide side chain; and X8 represent an amino acid having an aliphatic side chain, which peptide binds to dendritic cells and also to other types of cells. The peptide may be used a target non-viral and viral vectors to such cells.



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